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REGIONAL GROUND WATER SAMPLING 4TH QUARTER 2014

KIEWIT PROJECT
M/045/0078, UTU 87834, UGW 450011
TOOELE COUNTY, UTAH

DESERT HAWK GOLD CORP
290 HOLCOMB AVENUE
RENO, NV 89502

Prepared by:
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January 23, 2015

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Sample Summary for 4th Quarter 2014

Water samples from the Kiewit area were collected December 31, 2014. Six sites were accessible and had sufficient water for sample collection. They included Goshute, East Well, and Minniehaha Springs. A sample was collected from UGW-18-189, Desert Hawk's source well UGW 18-735, and from the barren cyanide solution at the heap leach pad.

Oren Gatten of North American Mine Services, Inc. traveled to the area on December 30, 2014. Samples were to be collected on the same day, but an error in judgment resulted in a bitter cold day with a Ford truck stuck in a sandy predicament. With the aid of Desert Hawk's outstanding personnel, the vehicle was free early on the 31st. All of the samples were collected that day (New Year's Eve), but could not be delivered to American West Analytical Labs until the 2nd of January. This delay resulted in exceeding hold times for pH and Total Dissolved Solids, though the pH of the samples was recorded during collection.

Minniehaha Spring was the first sample collected. The collection hole from past visits had filled in with mud and no water was flowing at the surface. The sediment over the spring was frozen to a depth of 6 inches and needed to be removed with a pick. After clearing the ice, the hole was dug to a depth of 3 feet. Water filled the cavity in about 2 minutes. Temperature and pH were recorded and the sample collected without incident.



Goshute Spring and East Well Spring were both flowing and the samples collected from the surface flow. Deep snow was the only obstacle in gaining access to the two springs. Although the temperature was well below freezing, the south facing slope of the canyon above Goshute Spring was warmed by the sun. This resulted in noticeable surface water flow above and below the spring.

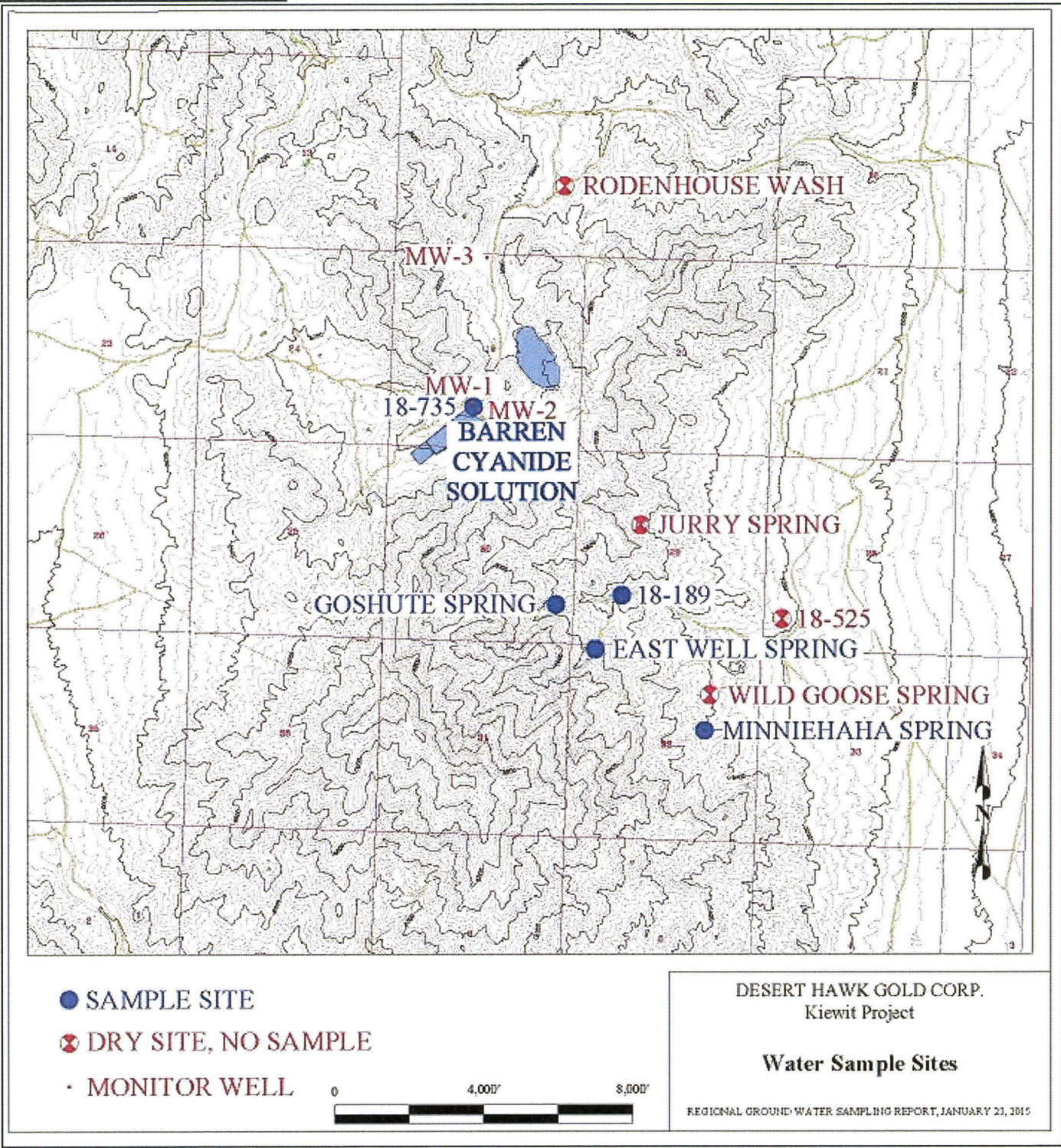
UGW-18-189 had very significant water flow within the coarse alluvial sediment deposited during the past year. In many sections the wash, water was flowing at the surface. It appeared that most of the water flow was the result of snowmelt. The sample was collected from the wash at a point near the old water tank identified in the water right description.

Rodenhouse wash did not have flowing water. The collection area was frozen from the surface to bed rock. Two other holes were dug in the areas with mud and vegetation, but would not fill in with water. No sample was collected during this visit.

The final two samples were taken from the mine leach pad area. UGW-18-735, the source water well for the mine, was collected by turning on the pump and filling the sample bottles directly from the pipe. The water sample from the barren cyanide solution was collected by qualified Desert Hawk personnel from the distribution piping leading to the leach pad.



Groundwater Sample Sites



Field Testing Data for December 31, 2014

Field Sample Data					
Sample ID	Date	Time	Field pH	Temperature	
				C°	F°
Rodenhouse Wash	December 31, 2014	NA	NA	NA	NA
18-189	December 31, 2014	12:55	7.4	1.4°	34.5°
East Well Spring	December 31, 2014	12:20	7.8	2.7°	36.8°
Goshute Spring	December 31, 2014	11:41	7.4	0.9°	33.6°
Minniehaha Spring	December 31, 2014	10:55	7.6	7.8°	46.0°
18-735 (DHG Well)	December 31, 2014	14:30	8.0	23.9°	75.0°
Monitor Well 1	December 31, 2014	NA	NA	NA	NA
Monitor Well 2	December 31, 2014	NA	NA	NA	NA
Monitor Well 3	December 31, 2014	NA	NA	NA	NA
Barren Cyanide Solution	December 31, 2014	14:20	10.7	1.2°	34.2°

Compound		Units	Reporting Limit	2014			2015		2016		2017		2018	
				31-Mar	27-Jun	25-Sep	31-Dec							
Field pH	pH Units	1.1	7.0	7.8	DRY SAMPLE SITE	7.4								
Field Temperature (C°)	C°	0.1	9.0	15.8		1.4								
Bicarbonate (as CaCO ₃)	mg/L	40.0	276	362		237								
Carbonate (as CaCO ₃)	mg/L	40.0	<40.0	<40		<10								
Chloride	mg/L	500	988	1,030		1,220								
Conductivity	µmhos/cm	2.00	3,290	3,830		4,670								
Cyanide	mg/L	VARIES	<0.00500	<0.0100		<0.00500								
Nitrate/Nitrite	mg/L	0.0100	<0.0100	0.112		<0.0100								
Lab pH @ 25°C	pH Units	1.00	7.02	7.01		7.88								
Sulfate	mg/L	62.5	467	285		413								
Total Dissolved Solids	mg/L	100	2,360	2,500		3,020								
Antimony Sb	mg/L	0.00200	<0.00200	<0.00200		<0.00200								
Arsenic As	mg/L	0.00200	0.0644	0.5800		0.1400								
Barium Ba	mg/L	0.00200	0.178	5.660		2.780								
Beryllium Be	mg/L	0.00200	<0.00200	0.05580		0.01820								
Cadmium Cd	mg/L	0.000500	0.00123	0.03250		0.01310								
Calcium Ca	mg/L	100	339	3010		1170								
Chromium Cr	mg/L	0.00200	0.00383	0.18500		0.23100								
Copper Cu	mg/L	0.00200	0.0438	1.0600		0.3820								
Lead Pb	mg/L	0.00200	0.1520	4.3500		0.8860								
Magnesium Mg	mg/L	50.0	133	381		318								
Mercury Hg	mg/L	0.001500	<0.00150	<0.00150		<0.00150								
Potassium K	mg/L	1.00	6.66	53.90		39.90								
Selenium Se	mg/L	0.00200	0.00517	0.0928		0.00283								
Silver Ag	mg/L	0.00200	<0.00200	0.02890		0.01030								
Sodium Na	mg/L	50.0	321	414		467								
Thallium Tl	mg/L	0.00200	<0.00200	0.00331		0.00219								
Zinc Zn	mg/L	0.00200	0.1200	5.6500		1.8800								

Note: Results in Red Exceed Utah Ground Water Quality Standards

East Well Spring															
		Reporting Limit	2 0 1 4				2015		2016		2017		2018		
			31-Mar	27-Jun	25-Sep	31-Dec									
Compound	Units														
Field pH	pH Units	1.1	7.8	7.8	8.2	7.8									
Field Temperature (C°)	C°	0.1	2.6	15.2	12.4	2.7									
Bicarbonate (as CaCO ₃)	mg/L	40.0	226	208	213	289									
Carbonate (as CaCO ₃)	mg/L	VAIRES	<40.0	<20.0	<1.0	<10									
Chloride	mg/L	500	772	682	600	1,150									
Conductivity	µmhos/cm	2.00	2,160	2,220	2,360	4,710									
Cyanide	mg/L	VARIES	<0.00500	<0.0100	<0.002	<0.00500									
Nitrate/Nitrite	mg/L	0.0100	<0.0100	0.238	0.1	<0.0100									
Lab pH @ 25°C	pH Units	1.00	7.94	8.11	8.3	7.72									
Sulfate	mg/L	62.5	112	129	106	451									
Total Dissolved Solids	mg/L	100	1,380	1,720		2,980									
Antimony	Sb	mg/L	0.00200	<0.00200	<0.00200	<0.0005	<0.00200								
Arsenic	As	mg/L	0.00200	0.00834	0.00970	0.0055	0.0197								
Barium	Ba	mg/L	0.00200	0.166	0.163	0.153	0.463								
Beryllium	Be	mg/L	0.00200	<0.00200	<0.00200	<0.0005	<0.00200								
Cadmium	Cd	mg/L	0.000500	0.00425	0.00132	0.0002	0.00103								
Calcium	Ca	mg/L	100	434	342	186	439								
Chromium	Cr	mg/L	0.00200	<0.00200	0.00233	0.0009	0.01710								
Copper	Cu	mg/L	0.00200	0.0139	0.0084	0.0024	0.0278								
Lead	Pb	mg/L	0.00200	0.0258	0.0085	0.0015	0.0543								
Magnesium	Mg	mg/L	50.0	76.7	75	60.3	159								
Mercury	Hg	mg/L	0.000150	<0.000150	<0.000150	<0.0002	<0.000150								
Potassium	K	mg/L	1.00	4.51	5.53	4.6	8.80								
Selenium	Se	mg/L	0.00200	0.00208	<0.00200	0.0063	<0.00200								
Silver	Ag	mg/L	0.00200	<0.00200	<0.00200	<0.0005	<0.00200								
Sodium	Na	mg/L	50.0	199	213	165	435								
Thallium	Tl	mg/L	0.00200	<0.00200	<0.00200	<0.0002	<0.00200								
Zinc	Zn	mg/L	0.00200	0.2100	0.0928	0.01	0.1380								

Note: Results in Red Exceed Utah Ground Water Quality Standards

Goshute Spring															
		Reporting Limit	2 0 1 4				2015		2016		2017		2018		
			31-Mar	27-Jun	25-Sep	31-Dec									
Compound	Units														
Field pH	pH Units	1.1	7.8	7.2	7.8	7.4									
Field Temperature (C°)	C°	0.1	5.6	17.6	13.1	0.9									
Bicarbonate (as CaCO ₃)	mg/L	40.0	268	294	426	257									
Carbonate (as CaCO ₃)	mg/L	40.0	<40.0	<40.0	ND	<10.0									
Chloride	mg/L	500	945	864	720	844									
Conductivity	µmhos/cm	2.00	2,710	2,960	3,180	3,650									
Cyanide	mg/L	VARIES	<0.00500	<0.0100	ND	<0.00500									
Nitrate/Nitrite	mg/L	0.0100	<0.0100	0.065	ND	<0.0100									
Lab pH @ 25°C	pH Units	1.00	7.70	7.38	7.70	7.42									
Sulfate	mg/L	62.5	236	210	250	293									
Total Dissolved Solids	mg/L	100	2,380	2,100		2,180									
Antimony Sb	mg/L	0.00200	<0.00200	<0.00200	<0.0100	<0.00200									
Arsenic As	mg/L	0.00200	0.00319	0.0627	0.0815	0.0195									
Barium Ba	mg/L	0.00200	0.0496	0.612	0.638	0.219									
Beryllium Be	mg/L	0.00200	<0.00200	0.00559	<0.0100	<0.00200									
Cadmium Cd	mg/L	0.000500	<0.00500	0.00420	<0.0040	0.00069									
Calcium Ca	mg/L	100	280	1200	427	364									
Chromium Cr	mg/L	0.00200	<0.00200	0.02740	0.0471	0.01330									
Copper Cu	mg/L	0.00200	0.00324	0.1060	0.1070	0.0268									
Lead Pb	mg/L	0.00200	<0.00200	0.1340	0.1810	0.0333									
Magnesium Mg	mg/L	50.0	118	164	131	135									
Mercury Hg	mg/L	0.000150	<0.000150	<0.000150	0.0002	<0.000150									
Potassium K	mg/L	1.00	3.64	12.10	12.6	6.44									
Selenium Se	mg/L	0.00200	0.00297	0.0105	<0.0100	0.0028									
Silver Ag	mg/L	0.00200	<0.00200	0.00299	<0.010	<0.00200									
Sodium Na	mg/L	50.0	239	272	216	285									
Thallium Tl	mg/L	0.00200	<0.00200	<0.00200	<0.0040	<0.00200									
Zinc Zn	mg/L	0.00200	0.00551	0.7830	0.24	0.1050									

Note: Results in Red Exceed Utah Ground Water Quality Standards

Minniehaha Spring

		Reporting Limit	2014				2015		2016		2017		2018	
			31-Mar	27-Jun	25-Sep	31-Dec								
Compound	Units													
Field pH	pH Units	1.1	7.2	7.2	7.2	7.6								
Field Temperature (C°)	C°	0.1	11.0	14.8	15.7	7.8								
Bicarbonate (as CaCO ₃)	mg/L	40.0	218.0	220	407	194								
Carbonate (as CaCO ₃)	mg/L	VARIES	<40.0	<20.0	<1.0	<10.0								
Chloride	mg/L	500	1,490	1,670	1,520	1,440								
Conductivity	µmhos/cm	2.00	4,400	4,810	5,590	5,370								
Cyanide	mg/L	VARIES	<0.00500	<0.0100	<0.002	<0.00500								
Nitrate/Nitrite	mg/L	0.0100	0.0182	0.203	<0.1	<0.0100								
Lab pH @ 25°C	pH Units	1.00	7.30	7.31	7.3	7.27								
Sulfate	mg/L	62.5	265.0	324	280	274								
Total Dissolved Solids	mg/L	100	2,840	3,360		2,600								
Antimony Sb	mg/L	0.00200	<0.00200	<0.00200	<0.0005	<0.00200								
Arsenic As	mg/L	0.00200	0.00909	0.0154	0.0051	0.0132								
Barium Ba	mg/L	0.00200	0.13400	0.211	0.119	0.254								
Beryllium Be	mg/L	0.00200	<0.00200	0.00236	<0.0005	0.00223								
Cadmium Cd	mg/L	0.00500	0.000512	0.000548	0.0003	0.000624								
Calcium Ca	mg/L	100	368	440	319	415								
Chromium Cr	mg/L	0.00200	0.00505	0.05240	0.0091	0.03990								
Copper Cu	mg/L	0.00200	0.00825	0.0586	0.0172	0.0493								
Lead Pb	mg/L	0.00200	0.01600	0.0283	0.0057	0.0190								
Magnesium Mg	mg/L	50.0	227.0	317	231	270								
Mercury Hg	mg/L	0.000150	<0.000150	<0.000150	<0.0002	<0.000150								
Potassium K	mg/L	1.00	10.60	17.40	12.1	13.30								
Selenium Se	mg/L	0.00200	0.01170	0.0222	0.0125	0.0054								
Silver Ag	mg/L	0.00200	<0.00200	0.00605	0.0010	0.00407								
Sodium Na	mg/L	50.0	408.0	512	425	446								
Thallium Tl	mg/L	0.00200	<0.00200	<0.00200	<0.0002	<0.00200								
Zinc Zn	mg/L	0.00200	0.02150	0.5540	<0.01	0.0779								

Note: Results in Red Exceed Utah Ground Water Quality Standards

Desert Hawk Source Water Well UGW 18-735

		Reporting Limit	2014				2015		2016		2017		2018	
			21-May	27-Jun	25-Sep	31-Dec								
Compound	Units													
Field pH	pH Units	1.1		7.2	8.2	8								
Field Temperature (C°)	C°	0.1	20.9	27.9	28.5	23.9								
Bicarbonate (as CaCO ₃)	mg/L	40.0		199	188	164								
Carbonate (as CaCO ₃)	mg/L	40.0		<20.0	<1.0	<10.0								
Chloride	mg/L	500		965	950	951								
Conductivity	µmhos/cm	2.00		3,520	3,590	2,170								
Cyanide, WAD	mg/L	0.002			<0.002	<0.00500								
Cyanide	mg/L	0.00500		<0.00500	<0.002	<0.00500								
Nitrate/Nitrite	mg/L	0.0100		0.0136	0.2	<.0100								
Lab pH @ 25°C	pH Units	1.00	7.27	7.46	7.7	7.17								
Sulfate	mg/L	62.5		449	300	361								
Total Dissolved Solids	mg/L	100	2,300	2,220		2,500								
Antimony Sb	mg/L	0.00200	<0.0025	<0.00200	<0.0005	<0.00200								
Arsenic As	mg/L	0.00200	<.0050	<0.00200	0.0022	<0.00200								
Barium Ba	mg/L	0.00200	0.120	0.071	0.098	0.06520								
Beryllium Be	mg/L	0.00200	0.0010	<0.00200	<0.0005	<0.00200								
Cadmium Cd	mg/L	0.000500	0.0050	<0.000500	<0.0002	<0.000500								
Calcium Ca	mg/L	100	320	324	292	317								
Chromium Cr	mg/L	0.00200	0.0050	<0.00200	0.0012	<0.00200								
Copper Cu	mg/L	0.00200	<0.050	0.0051	0.0037	<0.00200								
Lead Pb	mg/L	0.00200	0.0230	<0.00200	<0.0005	<0.00200								
Magnesium Mg	mg/L	50.0	210.0	214	208	205								
Mercury Hg	mg/L	0.000150	<.00010	<0.000150	<0.0002	<0.000150								
Potassium K	mg/L	1.00	14.00	8.51	9.6	8.12								
Selenium Se	mg/L	0.00200	<0.0050	<0.00200	0.0056	<0.00200								
Silver Ag	mg/L	0.00200	<0.0050	<0.00200	<0.0005	<0.00200								
Sodium Na	mg/L	50.0	180.0	158	156	151								
Thallium Tl	mg/L	0.00200	<.0010	<0.00200	<0.0002	<0.00200								
Zinc Zn	mg/L	0.00200	0.680	15.80000	0.52	7.4900								

Note: Results in Red Exceed Utah Ground Water Quality Standards

Desert Hawk Gold - Barren Cyanide Solution

		Reporting Limit	2014				2015		2016		2017		2018	
			21-May	27-Jun	25-Sep	31-Dec								
Compound	Units		No Cyanide Leach Solution for Testing	No Cyanide Leach Solution for Testing										
Field pH	pH Units	1.1			10.7	10.7								
Field Temperature (C°)	C°	0.1			18.3	1.2								
Bicarbonate (as CaCO ₃)	mg/L	40.0			<1.0	<10.0								
Carbonate (as CaCO ₃)	mg/L	40.0			34	94.6								
Chloride	mg/L	500				2,710								
Conductivity	µmhos/cm	2.00			8,130	10,500								
Cyanide	mg/L	0.00500			212	67.7								
Nitrate/Nitrite	mg/L	0.0100				12.6								
Lab pH @ 25°C	pH Units	1.00			10.5	9.88								
Sulfate	mg/L	62.5				482								
Total Dissolved Solids	mg/L	100				5,460								
Antimony Sb	mg/L	0.00200			<0.0050	<0.00200								
Arsenic As	mg/L	0.00200			<0.0050	0.00758								
Barium Ba	mg/L	0.00200			0.090	0.05480								
Beryllium Be	mg/L	0.00200			<0.0050	<0.00200								
Cadmium Cd	mg/L	0.000500			0.0037	0.00643								
Calcium Ca	mg/L	100			161	308								
Chromium Cr	mg/L	0.00200			0.0060	0.00230								
Copper Cu	mg/L	0.00200			4.3200	6.7500								
Lead Pb	mg/L	0.00200			<0.0050	<0.00200								
Magnesium Mg	mg/L	50.0			31.4	24.50								
Mercury Hg	mg/L	0.000150			0.0026	0.003840								
Potassium K	mg/L	1.00			23.0	20.50								
Selenium Se	mg/L	0.00200			0.0282	0.00953								
Silver Ag	mg/L	0.00200			0.109	0.12500								
Sodium Na	mg/L	50.0			1530	1,950								
Thallium Tl	mg/L	0.00200			<0.0020	<0.00200								
Zinc Zn	mg/L	0.00200			0.33	0.2990								

Note: Results in Red Exceed Utah Ground Water Quality Standards

Rodenhouse Wash																	
			Reporting Limit	2 0 1 4				2015		2016		2017		2018			
				31-Mar	27-Jun	25-Sep	31-Dec										
Compound	Units																
Field pH	pH	Units	1.1	7.2	DRY SAMPLE SITE	DRY SAMPLE SITE	DRY SAMPLE SITE										
Field Temperature (C°)	C°	0.1	7.8														
Bicarbonate (as CaCO3)	mg/L	40.0	240														
Carbonate (as CaCO3)	mg/L	40.0	<40.0														
Chloride	mg/L	500	1,320														
Conductivity	µmhos/cm	2.00	3,990														
Cyanide	mg/L	0.00500	<0.00500														
Nitrate/Nitrite	mg/L	0.0100	0.155														
Lab pH @ 25°C	pH	Units	1.00	7.50													
Sulfate	mg/L	62.5	337														
Total Dissolved Solids	mg/L	100	3,000														
Antimony	Sb	mg/L	0.00200	<0.00200													
Arsenic	As	mg/L	0.00200	0.0215													
Barium	Ba	mg/L	0.00200	0.251													
Beryllium	Be	mg/L	0.00200	0.00215													
Cadmium	Cd	mg/L	0.000500	0.00113													
Calcium	Ca	mg/L	100	475													
Chromium	Cr	mg/L	0.00200	0.00457													
Copper	Cu	mg/L	0.00200	0.0106													
Lead	Pb	mg/L	0.00200	0.0615													
Magnesium	Mg	mg/L	50.0	164													
Mercury	Hg	mg/L	0.000150	<0.000150													
Potassium	K	mg/L	1.00	7.77													
Selenium	Se	mg/L	0.00200	0.0155													
Silver	Ag	mg/L	0.00200	<.00200													
Sodium	Na	mg/L	50.0	418													
Thallium	Tl	mg/L	0.00200	<0.00200													
Zinc	Zn	mg/L	0.00200	0.0669													

Note: Results in Red Exceed Utah Ground Water Quality Standards



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RECEIVED

FEB 09 2015

DIV. OF OIL, GAS & MINING

RE: KIEWIT / UTU - 87834

Dear Oren Gatten:

Lab Set ID: 1501007

3440 South 700 West
Salt Lake City, UT 84119

American West Analytical Laboratories received 6 sample(s) on 1/2/2015 for the analyses presented in the following report.

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Kyle F.
Gross

Digitally signed by Kyle F. Gross
DN: cn=Kyle F. Gross, o=American
West Analytical Lab, ou=Laboratory
Director, email=kyle@awal-
labs.com, c=US
Date: 2015.01.16 13:26:57 -07'00'

Approved by:

Laboratory Director or designee



INORGANIC ANALYTICAL REPORT

Client: North American Exploration, Inc.
Project: KIEWIT / UTU - 87834
Lab Sample ID: 1501007-001
Client Sample ID: UGW-18-189
Collection Date: 12/31/2014 1255h
Received Date: 1/2/2015 1150h

Contact: Oren Gatten

Analytical Results

TOTAL METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Antimony	mg/L	1/2/2015 1510h	1/9/2015 1753h	E200.8	0.00200	< 0.00200	
Arsenic	mg/L	1/2/2015 1510h	1/5/2015 1355h	E200.8	0.00200	0.140	
Barium	mg/L	1/2/2015 1510h	1/9/2015 1756h	E200.8	0.0100	2.78	
Beryllium	mg/L	1/2/2015 1510h	1/5/2015 1355h	E200.8	0.00200	0.0182	
Cadmium	mg/L	1/2/2015 1510h	1/5/2015 1355h	E200.8	0.000500	0.0131	
Calcium	mg/L	1/2/2015 1510h	1/5/2015 1420h	E200.7	100	1,170	
Chromium	mg/L	1/2/2015 1510h	1/5/2015 1355h	E200.8	0.00200	0.231	
Copper	mg/L	1/2/2015 1510h	1/5/2015 1355h	E200.8	0.00200	0.382	
Lead	mg/L	1/2/2015 1510h	1/9/2015 1753h	E200.8	0.00200	0.886	
Magnesium	mg/L	1/2/2015 1510h	1/5/2015 1420h	E200.7	100	318	
Mercury	mg/L	1/5/2015 1341h	1/6/2015 844h	E245.1	0.00150	< 0.00150	*
Potassium	mg/L	1/2/2015 1510h	1/6/2015 1509h	E200.7	1.00	39.9	
Selenium	mg/L	1/2/2015 1510h	1/5/2015 1355h	E200.8	0.00200	0.00283	
Silver	mg/L	1/2/2015 1510h	1/5/2015 1355h	E200.8	0.00200	0.0103	
Sodium	mg/L	1/2/2015 1510h	1/5/2015 1420h	E200.7	100	467	
Thallium	mg/L	1/2/2015 1510h	1/5/2015 1355h	E200.8	0.00200	0.00219	
Zinc	mg/L	1/2/2015 1510h	1/6/2015 1509h	E200.7	0.0100	1.88	

* - The reporting limits were raised due to sample matrix interferences.

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 web: www.awal-labs.com

Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: North American Exploration, Inc.
Project: KIEWIT / UTU - 87834
Lab Sample ID: 1501007-002
Client Sample ID: Minniehaha Spring
Collection Date: 12/31/2014 1055h
Received Date: 1/2/2015 1150h

Contact: Oren Gatten

Analytical Results

TOTAL METALS

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Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Antimony	mg/L	1/2/2015 1510h	1/9/2015 1759h	E200.8	0.00200	< 0.00200	
Arsenic	mg/L	1/2/2015 1510h	1/5/2015 1358h	E200.8	0.00200	0.0132	
Barium	mg/L	1/2/2015 1510h	1/5/2015 1358h	E200.8	0.00200	0.254	
Beryllium	mg/L	1/2/2015 1510h	1/5/2015 1358h	E200.8	0.00200	0.00223	
Cadmium	mg/L	1/2/2015 1510h	1/5/2015 1358h	E200.8	0.000500	0.000624	
Calcium	mg/L	1/2/2015 1510h	1/5/2015 1421h	E200.7	100	415	
Chromium	mg/L	1/2/2015 1510h	1/5/2015 1358h	E200.8	0.00200	0.0399	
Copper	mg/L	1/2/2015 1510h	1/5/2015 1358h	E200.8	0.00200	0.0493	
Lead	mg/L	1/2/2015 1510h	1/9/2015 1759h	E200.8	0.00200	0.0190	
Magnesium	mg/L	1/2/2015 1510h	1/5/2015 1421h	E200.7	100	270	
Mercury	mg/L	1/5/2015 1341h	1/6/2015 835h	E245.1	0.000150	< 0.000150	
Potassium	mg/L	1/2/2015 1510h	1/6/2015 1511h	E200.7	1.00	13.3	
Selenium	mg/L	1/2/2015 1510h	1/5/2015 1358h	E200.8	0.00200	0.00539	
Silver	mg/L	1/2/2015 1510h	1/5/2015 1358h	E200.8	0.00200	0.00407	
Sodium	mg/L	1/2/2015 1510h	1/5/2015 1421h	E200.7	100	446	
Thallium	mg/L	1/2/2015 1510h	1/5/2015 1358h	E200.8	0.00200	< 0.00200	
Zinc	mg/L	1/2/2015 1510h	1/6/2015 1511h	E200.7	0.0100	0.0779	



INORGANIC ANALYTICAL REPORT

Client: North American Exploration, Inc.
Project: KIEWIT / UTU - 87834
Lab Sample ID: 1501007-003
Client Sample ID: Goshute Spring
Collection Date: 12/31/2014 1141h
Received Date: 1/2/2015 1150h

Contact: Oren Gatten

Analytical Results

TOTAL METALS

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Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Antimony	mg/L	1/2/2015 1510h	1/9/2015 1802h	E200.8	0.00200	< 0.00200	
Arsenic	mg/L	1/2/2015 1510h	1/5/2015 1401h	E200.8	0.00200	0.0195	
Barium	mg/L	1/2/2015 1510h	1/5/2015 1401h	E200.8	0.00200	0.219	
Beryllium	mg/L	1/2/2015 1510h	1/5/2015 1401h	E200.8	0.00200	< 0.00200	
Cadmium	mg/L	1/2/2015 1510h	1/5/2015 1401h	E200.8	0.000500	0.000691	
Calcium	mg/L	1/2/2015 1510h	1/5/2015 1423h	E200.7	100	364	
Chromium	mg/L	1/2/2015 1510h	1/5/2015 1401h	E200.8	0.00200	0.0133	
Copper	mg/L	1/2/2015 1510h	1/5/2015 1401h	E200.8	0.00200	0.0268	
Lead	mg/L	1/2/2015 1510h	1/9/2015 1802h	E200.8	0.00200	0.0333	
Magnesium	mg/L	1/2/2015 1510h	1/5/2015 1423h	E200.7	100	135	
Mercury	mg/L	1/5/2015 1341h	1/6/2015 846h	E245.1	0.000150	< 0.000150	
Potassium	mg/L	1/2/2015 1510h	1/6/2015 1513h	E200.7	1.00	6.44	
Selenium	mg/L	1/2/2015 1510h	1/5/2015 1401h	E200.8	0.00200	0.00283	
Silver	mg/L	1/2/2015 1510h	1/5/2015 1401h	E200.8	0.00200	< 0.00200	
Sodium	mg/L	1/2/2015 1510h	1/5/2015 1423h	E200.7	100	285	
Thallium	mg/L	1/2/2015 1510h	1/5/2015 1401h	E200.8	0.00200	< 0.00200	
Zinc	mg/L	1/2/2015 1510h	1/6/2015 1513h	E200.7	0.0100	0.105	



INORGANIC ANALYTICAL REPORT

Client: North American Exploration, Inc.
Project: KIEWIT / UTU - 87834
Lab Sample ID: 1501007-004
Client Sample ID: Eastwell Spring
Collection Date: 12/31/2014 1220h
Received Date: 1/2/2015 1150h

Contact: Oren Gatten

Analytical Results

TOTAL METALS

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Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Antimony	mg/L	1/2/2015 1510h	1/9/2015 1806h	E200.8	0.00200	< 0.00200	
Arsenic	mg/L	1/2/2015 1510h	1/5/2015 1404h	E200.8	0.00200	0.0197	
Barium	mg/L	1/2/2015 1510h	1/5/2015 1404h	E200.8	0.00200	0.463	
Beryllium	mg/L	1/2/2015 1510h	1/5/2015 1404h	E200.8	0.00200	< 0.00200	
Cadmium	mg/L	1/2/2015 1510h	1/5/2015 1404h	E200.8	0.000500	0.00103	
Calcium	mg/L	1/2/2015 1510h	1/5/2015 1425h	E200.7	100	439	
Chromium	mg/L	1/2/2015 1510h	1/5/2015 1404h	E200.8	0.00200	0.0171	
Copper	mg/L	1/2/2015 1510h	1/5/2015 1404h	E200.8	0.00200	0.0278	
Lead	mg/L	1/2/2015 1510h	1/9/2015 1806h	E200.8	0.00200	0.0543	
Magnesium	mg/L	1/2/2015 1510h	1/5/2015 1425h	E200.7	100	159	
Mercury	mg/L	1/5/2015 1341h	1/6/2015 851h	E245.1	0.000150	< 0.000150	
Potassium	mg/L	1/2/2015 1510h	1/6/2015 1515h	E200.7	1.00	8.80	
Selenium	mg/L	1/2/2015 1510h	1/5/2015 1404h	E200.8	0.00200	< 0.00200	
Silver	mg/L	1/2/2015 1510h	1/5/2015 1404h	E200.8	0.00200	< 0.00200	
Sodium	mg/L	1/2/2015 1510h	1/5/2015 1425h	E200.7	100	435	
Thallium	mg/L	1/2/2015 1510h	1/5/2015 1404h	E200.8	0.00200	< 0.00200	
Zinc	mg/L	1/2/2015 1510h	1/6/2015 1515h	E200.7	0.0100	0.138	



INORGANIC ANALYTICAL REPORT

Client: North American Exploration, Inc.
Project: KIEWIT / UTU - 87834
Lab Sample ID: 1501007-005
Client Sample ID: UGW-18-735 (DHGC Well)
Collection Date: 12/31/2014 1430h
Received Date: 1/2/2015 1150h

Contact: Oren Gatten

Analytical Results

TOTAL METALS

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Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Antimony	mg/L	1/2/2015 1510h	1/9/2015 1809h	E200.8	0.00200	< 0.00200	
Arsenic	mg/L	1/2/2015 1510h	1/5/2015 1408h	E200.8	0.00200	< 0.00200	
Barium	mg/L	1/2/2015 1510h	1/5/2015 1408h	E200.8	0.00200	0.0652	
Beryllium	mg/L	1/2/2015 1510h	1/5/2015 1408h	E200.8	0.00200	< 0.00200	
Cadmium	mg/L	1/2/2015 1510h	1/5/2015 1408h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	1/2/2015 1510h	1/5/2015 1427h	E200.7	100	317	
Chromium	mg/L	1/2/2015 1510h	1/5/2015 1408h	E200.8	0.00200	< 0.00200	
Copper	mg/L	1/2/2015 1510h	1/5/2015 1408h	E200.8	0.00200	< 0.00200	
Lead	mg/L	1/2/2015 1510h	1/9/2015 1809h	E200.8	0.00200	< 0.00200	
Magnesium	mg/L	1/2/2015 1510h	1/5/2015 1427h	E200.7	100	205	
Mercury	mg/L	1/5/2015 1341h	1/6/2015 853h	E245.1	0.000150	< 0.000150	
Potassium	mg/L	1/2/2015 1510h	1/6/2015 1517h	E200.7	1.00	8.12	
Selenium	mg/L	1/2/2015 1510h	1/5/2015 1408h	E200.8	0.00200	< 0.00200	
Silver	mg/L	1/2/2015 1510h	1/5/2015 1408h	E200.8	0.00200	< 0.00200	
Sodium	mg/L	1/2/2015 1510h	1/5/2015 1427h	E200.7	100	151	
Thallium	mg/L	1/2/2015 1510h	1/5/2015 1408h	E200.8	0.00200	< 0.00200	
Zinc	mg/L	1/2/2015 1510h	1/6/2015 1517h	E200.7	0.0100	7.49	



INORGANIC ANALYTICAL REPORT

Client: North American Exploration, Inc. **Contact:** Oren Gatten
Project: KIEWIT / UTU - 87834
Lab Sample ID: 1501007-006
Client Sample ID: Barren Cyanide Solution
Collection Date: 12/31/2014 1420h
Received Date: 1/2/2015 1150h

Analytical Results TOTAL METALS

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Kyle F. Gross
 Laboratory Director

 Jose Rocha
 QA Officer

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Antimony	mg/L	1/2/2015 1510h	1/9/2015 1812h	E200.8	0.00200	< 0.00200	
Arsenic	mg/L	1/2/2015 1510h	1/5/2015 1411h	E200.8	0.00200	0.00758	
Barium	mg/L	1/2/2015 1510h	1/5/2015 1411h	E200.8	0.00200	0.0548	
Beryllium	mg/L	1/2/2015 1510h	1/5/2015 1411h	E200.8	0.00200	< 0.00200	
Cadmium	mg/L	1/2/2015 1510h	1/5/2015 1411h	E200.8	0.000500	0.00643	
Calcium	mg/L	1/2/2015 1510h	1/5/2015 1429h	E200.7	100	308	
Chromium	mg/L	1/2/2015 1510h	1/5/2015 1411h	E200.8	0.00200	0.00230	
Copper	mg/L	1/2/2015 1510h	1/9/2015 1815h	E200.8	0.0500	6.75	
Lead	mg/L	1/2/2015 1510h	1/9/2015 1812h	E200.8	0.00200	< 0.00200	
Magnesium	mg/L	1/2/2015 1510h	1/6/2015 1425h	E200.7	1.00	24.5	
Mercury	mg/L	1/5/2015 1341h	1/6/2015 855h	E245.1	0.000150	0.00384	
Potassium	mg/L	1/2/2015 1510h	1/6/2015 1425h	E200.7	1.00	20.5	
Selenium	mg/L	1/2/2015 1510h	1/5/2015 1411h	E200.8	0.00200	0.00953	
Silver	mg/L	1/2/2015 1510h	1/5/2015 1411h	E200.8	0.00200	0.125	
Sodium	mg/L	1/2/2015 1510h	1/5/2015 1429h	E200.7	100	1,950	
Thallium	mg/L	1/2/2015 1510h	1/5/2015 1411h	E200.8	0.00200	< 0.00200	
Zinc	mg/L	1/2/2015 1510h	1/6/2015 1425h	E200.7	0.0100	0.299	



INORGANIC ANALYTICAL REPORT

Client: North American Exploration, Inc.

Contact: Oren Gatten

Project: KIEWIT / UTU - 87834

Lab Sample ID: 1501007-001

Client Sample ID: UGW-18-189

Collection Date: 12/31/2014 1255h

Received Date: 1/2/2015 1150h

Analytical Results

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Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Alkalinity (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	237	
Bicarbonate (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	237	
Carbonate (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	< 10.0	
Chloride	mg/L		1/5/2015 1636h	E300.0	100	1,220	
Conductivity	µmhos/cm		1/5/2015 715h	SM2510B	2.00	4,670	
Cyanide	mg/L	1/12/2015 841h	1/12/2015 1555h	E335.4	0.00500	< 0.00500	
Nitrate/Nitrite (as N)	mg/L		1/8/2015 1202h	E353.2	0.0100	< 0.0100	
pH @ 25° C	pH Units		1/2/2015 1655h	SM4500-H+B	1.00	7.88	H
Sulfate	mg/L		1/5/2015 1851h	E300.0	75.0	413	
Total Dissolved Solids	mg/L		1/7/2015 1215h	SM2540C	100	3,020	@

@ - High RPD due to suspected sample non-homogeneity or matrix interference.

H - Sample was received outside of the holding time.

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: North American Exploration, Inc.

Contact: Oren Gatten

Project: KIEWIT / UTU - 87834

Lab Sample ID: 1501007-002

Client Sample ID: Minniehaha Spring

Collection Date: 12/31/2014 1055h

Received Date: 1/2/2015 1150h

Analytical Results

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Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Alkalinity (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	194	
Bicarbonate (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	194	
Carbonate (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	< 10.0	
Chloride	mg/L		1/5/2015 1727h	E300.0	100	1,440	
Conductivity	µmhos/cm		1/5/2015 715h	SM2510B	2.00	5,370	
Cyanide	mg/L	1/12/2015 841h	1/12/2015 1603h	E335.4	0.00500	< 0.00500	
Nitrate/Nitrite (as N)	mg/L		1/8/2015 1203h	E353.2	0.0100	< 0.0100	
pH @ 25° C	pH Units		1/2/2015 1655h	SM4500-H+B	1.00	7.27	H
Sulfate	mg/L		1/5/2015 1908h	E300.0	75.0	274	
Total Dissolved Solids	mg/L		1/7/2015 1215h	SM2540C	100	2,600	H

H - Sample was received outside of the holding time.

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: North American Exploration, Inc.

Contact: Oren Gatten

Project: KIEWIT / UTU - 87834

Lab Sample ID: 1501007-003

Client Sample ID: Goshute Spring

Collection Date: 12/31/2014 1141h

Received Date: 1/2/2015 1150h

Analytical Results

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Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Alkalinity (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	257	
Bicarbonate (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	257	
Carbonate (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	< 10.0	
Chloride	mg/L		1/5/2015 1925h	E300.0	10.0	844	
Conductivity	µmhos/cm		1/5/2015 715h	SM2510B	2.00	3,650	
Cyanide	mg/L	1/12/2015 841h	1/12/2015 1604h	E335.4	0.00500	< 0.00500	
Nitrate/Nitrite (as N)	mg/L		1/8/2015 1205h	E353.2	0.0100	< 0.0100	
pH @ 25° C	pH Units		1/2/2015 1655h	SM4500-H+B	1.00	7.42	H
Sulfate	mg/L		1/5/2015 1925h	E300.0	75.0	293	
Total Dissolved Solids	mg/L		1/7/2015 1215h	SM2540C	100	2,180	H

H - Sample was received outside of the holding time.

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: North American Exploration, Inc.

Contact: Oren Gatten

Project: KIEWIT / UTU - 87834

Lab Sample ID: 1501007-004

Client Sample ID: Eastwell Spring

Collection Date: 12/31/2014 1220h

Received Date: 1/2/2015 1150h

Analytical Results

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Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Alkalinity (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	289	
Bicarbonate (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	289	
Carbonate (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	< 10.0	
Chloride	mg/L		1/5/2015 2015h	E300.0	10.0	1,150	
Conductivity	µmhos/cm		1/5/2015 715h	SM2510B	2.00	4,710	
Cyanide	mg/L	1/12/2015 841h	1/12/2015 1608h	E335.4	0.00500	< 0.00500	
Nitrate/Nitrite (as N)	mg/L		1/8/2015 1210h	E353.2	0.0100	< 0.0100	
pH @ 25° C	pH Units		1/2/2015 1655h	SM4500-H+B	1.00	7.72	H
Sulfate	mg/L		1/5/2015 2015h	E300.0	75.0	451	
Total Dissolved Solids	mg/L		1/7/2015 1215h	SM2540C	100	2,980	

H - Sample was received outside of the holding time.

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: North American Exploration, Inc.
Project: KIEWIT / UTU - 87834
Lab Sample ID: 1501007-005
Client Sample ID: UGW-18-735 (DHGC Well)
Collection Date: 12/31/2014 1430h
Received Date: 1/2/2015 1150h

Contact: Oren Gatten

Analytical Results

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Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Alkalinity (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	164	
Bicarbonate (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	164	
Carbonate (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	< 10.0	
Chloride	mg/L		1/5/2015 2032h	E300.0	10.0	951	
Conductivity	µmhos/cm		1/5/2015 715h	SM2510B	2.00	2,170	
Cyanide	mg/L	1/12/2015 841h	1/12/2015 1609h	E335.4	0.00500	< 0.00500	
Cyanide, WAD		1/12/2015 841h	1/12/2015 1733h	E335.4	0.00500	< 0.00500	
Nitrate/Nitrite (as N)	mg/L		1/8/2015 1212h	E353.2	0.0100	< 0.0100	
pH @ 25° C	pH Units		1/2/2015 1655h	SM4500-H+B	1.00	7.17	H
Sulfate	mg/L		1/5/2015 2032h	E300.0	75.0	361	
Total Dissolved Solids	mg/L		1/7/2015 1215h	SM2540C	100	2,500	

H - Sample was received outside of the holding time.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: North American Exploration, Inc.

Contact: Oren Gatten

Project: KIEWIT / UTU - 87834

Lab Sample ID: 1501007-006

Client Sample ID: Barren Cyanide Solution

Collection Date: 12/31/2014 1420h

Received Date: 1/2/2015 1150h

Analytical Results

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Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Alkalinity (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	178	
Bicarbonate (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	< 10.0	
Carbonate (as CaCO ₃)	mg/L		1/5/2015 835h	SM2320B	10.0	94.6	
Chloride	mg/L		1/5/2015 1801h	E300.0	100	2,710	
Conductivity	µmhos/cm		1/5/2015 715h	SM2510B	2.00	10,500	
Cyanide	mg/L	1/12/2015 841h	1/12/2015 1610h	E335.4	50.0	67.7	
Nitrate/Nitrite (as N)	mg/L		1/8/2015 1220h	E353.2	0.100	12.6	
pH @ 25° C	pH Units		1/2/2015 1655h	SM4500-H+B	1.00	9.88	H
Sulfate	mg/L		1/6/2015 1927h	E300.0	75.0	482	
Total Dissolved Solids	mg/L		1/7/2015 1215h	SM2540C	100	5,460	

H - Sample was received outside of the holding time.

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: North American Exploration, Inc.
Lab Set ID: 1501007
Project: KIEWIT / UTU - 87834

Contact: Oren Gatten
Dept: ME
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-34946													
Date Analyzed:		01/05/2015 1414h											
Test Code:		200.7-W											
Date Prepared:		01/02/2015 1510h											
Calcium	10.0	mg/L	E200.7	0.0401	1.00	10.00	0	100	85 - 115				
Magnesium	10.1	mg/L	E200.7	0.0294	1.00	10.00	0	101	85 - 115				
Potassium	9.55	mg/L	E200.7	0.247	1.00	10.00	0	95.5	85 - 115				
Sodium	10.4	mg/L	E200.7	0.0330	1.00	10.00	0	104	85 - 115				
Lab Sample ID: LCS-34946													
Date Analyzed:		01/05/2015 1452h											
Test Code:		200.7-W											
Date Prepared:		01/02/2015 1510h											
Zinc	0.958	mg/L	E200.7	0.00737	0.0100	1.000	0	95.8	85 - 115				
Lab Sample ID: LCS-34949													
Date Analyzed:		01/05/2015 1307h											
Test Code:		200.8-W											
Date Prepared:		01/02/2015 1510h											
Arsenic	0.189	mg/L	E200.8	0.0000920	0.00200	0.2000	0	94.4	85 - 115				
Barium	0.188	mg/L	E200.8	0.000538	0.00200	0.2000	0	93.9	85 - 115				
Beryllium	0.189	mg/L	E200.8	0.0000288	0.00200	0.2000	0	94.6	85 - 115				
Cadmium	0.187	mg/L	E200.8	0.000193	0.000500	0.2000	0	93.5	85 - 115				
Chromium	0.192	mg/L	E200.8	0.00154	0.00200	0.2000	0	96.0	85 - 115				
Copper	0.194	mg/L	E200.8	0.000692	0.00200	0.2000	0	96.8	85 - 115				
Selenium	0.174	mg/L	E200.8	0.0000634	0.00200	0.2000	0	87.0	85 - 115				
Silver	0.187	mg/L	E200.8	0.0000244	0.00200	0.2000	0	93.4	85 - 115				
Thallium	0.183	mg/L	E200.8	0.0000242	0.00200	0.2000	0	91.3	85 - 115				
Lab Sample ID: LCS-34949													
Date Analyzed:		01/09/2015 1712h											
Test Code:		200.8-W											
Date Prepared:		01/02/2015 1510h											
Antimony	0.193	mg/L	E200.8	0.0000366	0.00200	0.2000	0	96.3	85 - 115				
Lead	0.189	mg/L	E200.8	0.000264	0.00200	0.2000	0	94.5	85 - 115				
Lab Sample ID: LCS-34958													
Date Analyzed:		01/06/2015 829h											
Test Code:		HG-DW-245.1											
Date Prepared:		01/05/2015 1341h											
Mercury	0.00349	mg/L	E245.1	0.00000519	0.000150	0.003330	0	105	85 - 115				



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: North American Exploration, Inc.

Lab Set ID: 1501007

Project: KIEWIT / UTU - 87834

Contact: Oren Gatten

Dept: ME

QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-34946													
Date Analyzed:		01/05/2015 1412h											
Test Code:		200.7-W											
Date Prepared:		01/02/2015 1510h											
Calcium	< 1.00	mg/L	E200.7	0.0401	1.00								
Magnesium	< 1.00	mg/L	E200.7	0.0294	1.00								
Potassium	< 1.00	mg/L	E200.7	0.247	1.00								
Sodium	< 1.00	mg/L	E200.7	0.0330	1.00								
Lab Sample ID: MB-34946													
Date Analyzed:		01/05/2015 1450h											
Test Code:		200.7-W											
Date Prepared:		01/02/2015 1510h											
Zinc	< 0.0100	mg/L	E200.7	0.00737	0.0100								
Lab Sample ID: MB-34949													
Date Analyzed:		01/05/2015 1303h											
Test Code:		200.8-W											
Date Prepared:		01/02/2015 1510h											
Arsenic	< 0.00200	mg/L	E200.8	0.0000920	0.00200								
Barium	< 0.00200	mg/L	E200.8	0.000538	0.00200								
Beryllium	< 0.00200	mg/L	E200.8	0.0000288	0.00200								
Cadmium	< 0.000500	mg/L	E200.8	0.000193	0.000500								
Chromium	< 0.00200	mg/L	E200.8	0.00154	0.00200								
Copper	< 0.00200	mg/L	E200.8	0.000692	0.00200								
Selenium	< 0.00200	mg/L	E200.8	0.0000634	0.00200								
Silver	< 0.00200	mg/L	E200.8	0.0000244	0.00200								
Thallium	< 0.00200	mg/L	E200.8	0.0000242	0.00200								
Lab Sample ID: MB-34949													
Date Analyzed:		01/09/2015 1708h											
Test Code:		200.8-W											
Date Prepared:		01/02/2015 1510h											
Antimony	< 0.00200	mg/L	E200.8	0.0000366	0.00200								
Lead	< 0.00200	mg/L	E200.8	0.000264	0.00200								
Lab Sample ID: MB-34958													
Date Analyzed:		01/06/2015 828h											
Test Code:		HG-DW-245.1											
Date Prepared:		01/05/2015 1341h											
Mercury	< 0.000150	mg/L	E245.1	0.00000519	0.000150								



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: North American Exploration, Inc.

Lab Set ID: 1501007

Project: KIEWIT / UTU - 87834

Contact: Oren Gatten

Dept: ME

QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	1412517-001AMS	Date Analyzed:	01/05/2015 1508h											
Test Code:	200.7-W	Date Prepared:	01/02/2015 1510h											
Magnesium		10.6	mg/L	E200.7	0.0294	1.00	10.00	0.48	101	70 - 130				
Potassium		13.4	mg/L	E200.7	0.247	1.00	10.00	3.8	96.2	70 - 130				
Zinc		2.15	mg/L	E200.7	0.00737	0.0100	1.000	1.12	103	70 - 130				
Lab Sample ID:	1412517-001AMS	Date Analyzed:	01/06/2015 1429h											
Test Code:	200.7-W	Date Prepared:	01/02/2015 1510h											
Calcium		46.2	mg/L	E200.7	0.401	10.0	10.00	37.5	87.1	70 - 130				
Sodium		255	mg/L	E200.7	0.330	10.0	10.00	271	-165	70 - 130	2			
Lab Sample ID:	1412497-001GMS	Date Analyzed:	01/06/2015 1446h											
Test Code:	200.7-W	Date Prepared:	01/02/2015 1510h											
Zinc		0.984	mg/L	E200.7	0.00737	0.0100	1.000	0	98.4	70 - 130				
Lab Sample ID:	1412517-001AMS	Date Analyzed:	01/05/2015 1320h											
Test Code:	200.8-W	Date Prepared:	01/02/2015 1510h											
Arsenic		0.192	mg/L	E200.8	0.0000920	0.00200	0.2000	0.000211	95.8	75 - 125				
Barium		0.255	mg/L	E200.8	0.000538	0.00200	0.2000	0.0644	95.5	75 - 125				
Beryllium		0.188	mg/L	E200.8	0.0000288	0.00200	0.2000	0	94.0	75 - 125				
Cadmium		0.187	mg/L	E200.8	0.000193	0.000500	0.2000	0.000319	93.2	75 - 125				
Chromium		0.587	mg/L	E200.8	0.00154	0.00200	0.2000	0.396	95.6	75 - 125				
Copper		0.214	mg/L	E200.8	0.000692	0.00200	0.2000	0.0186	97.9	75 - 125				
Selenium		0.317	mg/L	E200.8	0.0000634	0.00200	0.2000	0.147	85.0	75 - 125				
Silver		0.175	mg/L	E200.8	0.0000244	0.00200	0.2000	0	87.5	75 - 125				
Thallium		0.182	mg/L	E200.8	0.0000242	0.00200	0.2000	0	90.8	75 - 125				
Lab Sample ID:	1412497-001GMS	Date Analyzed:	01/05/2015 1329h											
Test Code:	200.8-W	Date Prepared:	01/02/2015 1510h											
Arsenic		0.201	mg/L	E200.8	0.0000920	0.00200	0.2000	0.000484	100	75 - 125				
Barium		0.265	mg/L	E200.8	0.000538	0.00200	0.2000	0.0604	102	75 - 125				
Beryllium		0.202	mg/L	E200.8	0.0000288	0.00200	0.2000	0	101	75 - 125				



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: North American Exploration, Inc.

Lab Set ID: 1501007

Project: KIEWIT / UTU - 87834

Contact: Oren Gatten

Dept: ME

QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1412497-001GMS		Date Analyzed:	01/05/2015 1329h											
Test Code: 200.8-W		Date Prepared:	01/02/2015 1510h											
Cadmium		0.197	mg/L	E200.8	0.000193	0.000500	0.2000	0	98.6	75 - 125				
Chromium		0.201	mg/L	E200.8	0.00154	0.00200	0.2000	0	101	75 - 125				
Copper		0.209	mg/L	E200.8	0.000692	0.00200	0.2000	0.00753	101	75 - 125				
Selenium		0.185	mg/L	E200.8	0.0000634	0.00200	0.2000	0.000819	92.3	75 - 125				
Silver		0.196	mg/L	E200.8	0.0000244	0.00200	0.2000	0.0000925	98.1	75 - 125				
Thallium		0.196	mg/L	E200.8	0.0000242	0.00200	0.2000	0	97.9	75 - 125				
Lab Sample ID: 1412517-001AMS		Date Analyzed:	01/09/2015 1718h											
Test Code: 200.8-W		Date Prepared:	01/02/2015 1510h											
Antimony		0.203	mg/L	E200.8	0.0000366	0.00200	0.2000	0.000227	101	75 - 125				
Lead		0.198	mg/L	E200.8	0.000264	0.00200	0.2000	0.00658	95.8	75 - 125				
Lab Sample ID: 1412497-001GMS		Date Analyzed:	01/09/2015 1727h											
Test Code: 200.8-W		Date Prepared:	01/02/2015 1510h											
Antimony		0.195	mg/L	E200.8	0.0000366	0.00200	0.2000	0.000151	97.5	75 - 125				
Lead		0.190	mg/L	E200.8	0.000264	0.00200	0.2000	0	94.8	75 - 125				
Lab Sample ID: 1501007-002AMS		Date Analyzed:	01/06/2015 837h											
Test Code: HG-DW-245.1		Date Prepared:	01/05/2015 1341h											
Mercury		0.00346	mg/L	E245.1	0.00000519	0.000150	0.003330	0.0000567	102	80 - 120				

² - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: North American Exploration, Inc.
Lab Set ID: 1501007
Project: KIEWIT / UTU - 87834

Contact: Oren Gatten
Dept: ME
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1412517-001AMSD													
Date Analyzed:		01/05/2015 1510h											
Test Code:		200.7-W											
Date Prepared:		01/02/2015 1510h											
Magnesium	10.4	mg/L	E200.7	0.0294	1.00	10.00	0.48	99.2	70 - 130	10.6	1.44	20	
Potassium	13.4	mg/L	E200.7	0.247	1.00	10.00	3.8	96.0	70 - 130	13.4	0.140	20	
Zinc	2.15	mg/L	E200.7	0.00737	0.0100	1.000	1.12	103	70 - 130	2.15	0.0134	20	
Lab Sample ID: 1412517-001AMSD													
Date Analyzed:		01/06/2015 1430h											
Test Code:		200.7-W											
Date Prepared:		01/02/2015 1510h											
Calcium	46.1	mg/L	E200.7	0.401	10.0	10.00	37.5	86.2	70 - 130	46.2	0.190	20	
Sodium	250	mg/L	E200.7	0.330	10.0	10.00	271	-214	70 - 130	255	1.94	20	2
Lab Sample ID: 1412497-001GMSD													
Date Analyzed:		01/06/2015 1447h											
Test Code:		200.7-W											
Date Prepared:		01/02/2015 1510h											
Zinc	0.993	mg/L	E200.7	0.00737	0.0100	1.000	0	99.3	70 - 130	0.984	0.896	20	
Lab Sample ID: 1412517-001AMSD													
Date Analyzed:		01/05/2015 1323h											
Test Code:		200.8-W											
Date Prepared:		01/02/2015 1510h											
Arsenic	0.189	mg/L	E200.8	0.0000920	0.00200	0.2000	0.000211	94.2	75 - 125	0.192	1.59	20	
Barium	0.252	mg/L	E200.8	0.000538	0.00200	0.2000	0.0644	93.6	75 - 125	0.255	1.48	20	
Beryllium	0.187	mg/L	E200.8	0.0000288	0.00200	0.2000	0	93.4	75 - 125	0.188	0.698	20	
Cadmium	0.186	mg/L	E200.8	0.000193	0.000500	0.2000	0.000319	92.7	75 - 125	0.187	0.510	20	
Chromium	0.578	mg/L	E200.8	0.00154	0.00200	0.2000	0.396	91.0	75 - 125	0.587	1.56	20	
Copper	0.213	mg/L	E200.8	0.000692	0.00200	0.2000	0.0186	97.0	75 - 125	0.214	0.820	20	
Selenium	0.315	mg/L	E200.8	0.0000634	0.00200	0.2000	0.147	84.0	75 - 125	0.317	0.657	20	
Silver	0.176	mg/L	E200.8	0.0000244	0.00200	0.2000	0	88.0	75 - 125	0.175	0.619	20	
Thallium	0.179	mg/L	E200.8	0.0000242	0.00200	0.2000	0	89.7	75 - 125	0.182	1.16	20	
Lab Sample ID: 1412497-001GMSD													
Date Analyzed:		01/05/2015 1333h											
Test Code:		200.8-W											
Date Prepared:		01/02/2015 1510h											
Arsenic	0.195	mg/L	E200.8	0.0000920	0.00200	0.2000	0.000484	97.2	75 - 125	0.201	3.30	20	
Barium	0.256	mg/L	E200.8	0.000538	0.00200	0.2000	0.0604	97.7	75 - 125	0.265	3.37	20	
Beryllium	0.194	mg/L	E200.8	0.0000288	0.00200	0.2000	0	97.2	75 - 125	0.202	3.73	20	



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: North American Exploration, Inc.

Lab Set ID: 1501007

Project: KIEWIT / UTU - 87834

Contact: Oren Gatten

Dept: ME

QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1412497-001GMSD													
Test Code:	200.8-W	Date Analyzed:	01/05/2015 1333h	Date Prepared:	01/02/2015 1510h								
Cadmium	0.188	mg/L	E200.8	0.000193	0.000500	0.2000	0	94.1	75 - 125	0.197	4.69	20	
Chromium	0.194	mg/L	E200.8	0.00154	0.00200	0.2000	0	97.0	75 - 125	0.201	3.77	20	
Copper	0.206	mg/L	E200.8	0.000692	0.00200	0.2000	0.00753	99.2	75 - 125	0.209	1.52	20	
Selenium	0.178	mg/L	E200.8	0.0000634	0.00200	0.2000	0.000819	88.4	75 - 125	0.185	4.25	20	
Silver	0.188	mg/L	E200.8	0.0000244	0.00200	0.2000	0.0000925	93.7	75 - 125	0.196	4.62	20	
Thallium	0.185	mg/L	E200.8	0.0000242	0.00200	0.2000	0	92.7	75 - 125	0.196	5.45	20	
Lab Sample ID: 1412517-001AMSD													
Test Code:	200.8-W	Date Analyzed:	01/09/2015 1721h	Date Prepared:	01/02/2015 1510h								
Antimony	0.198	mg/L	E200.8	0.0000366	0.00200	0.2000	0.000227	98.8	75 - 125	0.203	2.51	20	
Lead	0.192	mg/L	E200.8	0.000264	0.00200	0.2000	0.00658	92.9	75 - 125	0.198	2.96	20	
Lab Sample ID: 1412497-001GMSD													
Test Code:	200.8-W	Date Analyzed:	01/09/2015 1731h	Date Prepared:	01/02/2015 1510h								
Antimony	0.207	mg/L	E200.8	0.0000366	0.00200	0.2000	0.000151	103	75 - 125	0.195	5.79	20	
Lead	0.197	mg/L	E200.8	0.000264	0.00200	0.2000	0	98.6	75 - 125	0.19	3.94	20	
Lab Sample ID: 1501007-002AMSD													
Test Code:	HG-DW-245.1	Date Analyzed:	01/06/2015 842h	Date Prepared:	01/05/2015 1341h								
Mercury	0.00349	mg/L	E245.1	0.00000519	0.000150	0.003330	0.0000567	103	80 - 120	0.00347	0.767	20	

² - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: North American Exploration, Inc.
Lab Set ID: 1501007
Project: KIEWIT / UTU - 87834

Contact: Oren Gatten
Dept: WC
QC Type: DUP

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1501007-001BDUP Date Analyzed: 01/05/2015 715h													
Test Code: COND-W-2510B													
Conductivity	4,650	µmhos/cm	SM2510B	0.436	2.00					4670	0.429	5	
Lab Sample ID: 1501007-006BDUP Date Analyzed: 01/02/2015 1655h													
Test Code: PH-4500H+B													
pH @ 25° C	10.0	pH Units	SM4500-H+B	1.00	1.00					9.88	1.21	5	H
Lab Sample ID: 1501007-001BDUP Date Analyzed: 01/07/2015 1215h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	2,840	mg/L	SM2540C	61.3	100					3020	6.14	5	@

@ - High RPD due to suspected sample non-homogeneity or matrix interference.
H - Sample was received outside of the holding time.



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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: North American Exploration, Inc.

Lab Set ID: 1501007

Project: KIEWIT / UTU - 87834

Contact: Oren Gatten

Dept: WC

QC Type: LCS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	LCS-R74516	Date Analyzed:	01/05/2015 1619h											
Test Code:	300.0-W													
Chloride		4.84	mg/L	E300.0	0.00751	0.100	5.000	0	96.7	90 - 110				
Sulfate		4.52	mg/L	E300.0	0.0211	0.750	5.000	0	90.4	90 - 110				
Lab Sample ID:	LCS-R74551	Date Analyzed:	01/06/2015 1910h											
Test Code:	300.0-W													
Sulfate		5.14	mg/L	E300.0	0.0211	0.750	5.000	0	103	90 - 110				
Lab Sample ID:	LCS-R74482	Date Analyzed:	01/05/2015 835h											
Test Code:	ALK-W-2320B													
Alkalinity (as CaCO3)		47,300	mg/L	SM2320B	1.86	10.0	50,000	0	94.6	90 - 110				
Lab Sample ID:	LCS-35048	Date Analyzed:	01/12/2015 1545h											
Test Code:	CN-W-335.4	Date Prepared:	01/12/2015 841h											
Cyanide		0.0996	mg/L	E335.4	0.00303	0.00500	0.1000	0	99.6	90 - 110				
Lab Sample ID:	LCS-35046	Date Analyzed:	01/12/2015 1725h											
Test Code:	CN-WAD-335.4	Date Prepared:	01/12/2015 841h											
Cyanide, WAD		0.0960		E335.4	0.00303	0.00500	0.1000	0	96.0	70 - 100				
Lab Sample ID:	LCS-R74477	Date Analyzed:	01/05/2015 715h											
Test Code:	COND-W-2510B													
Conductivity		997	µmhos/cm	SM2510B	0.436	2.00	1,000	0	99.7	98 - 102				
Lab Sample ID:	LCS-R74583	Date Analyzed:	01/08/2015 1136h											
Test Code:	NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)		1.08	mg/L	E353.2	0.00833	0.0100	1.000	0	108	90 - 110	^			
Lab Sample ID:	LCS-R74468	Date Analyzed:	01/02/2015 1655h											
Test Code:	PH-4500H+B													
pH @ 25° C		8.90	pH Units	SM4500-H+B	1.00	1.00	9.000	0	98.9	98 - 102				



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: North American Exploration, Inc.

Lab Set ID: 1501007

Project: KIEWIT / UTU - 87834

Contact: Oren Gatten

Dept: WC

QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R74587													
Date Analyzed: 01/07/2015 1215h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	222	mg/L	SM2540C	6.13	10.0	205.0	0	108	80 - 120				

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QC SUMMARY REPORT

Client: North American Exploration, Inc.

Lab Set ID: 1501007

Project: KIEWIT / UTU - 87834

Contact: Oren Gatten

Dept: WC

QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R74516													
Test Code: 300.0-W		Date Analyzed: 01/05/2015 1603h											
Chloride	< 0.100	mg/L	E300.0	0.00751	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0211	0.750								
Lab Sample ID: MB-R74551													
Test Code: 300.0-W		Date Analyzed: 01/06/2015 1853h											
Sulfate	< 0.750	mg/L	E300.0	0.0211	0.750								
Lab Sample ID: MB-R74482													
Test Code: ALK-W-2320B		Date Analyzed: 01/05/2015 835h											
Alkalinity (as CaCO ₃)	< 10.0	mg/L	SM2320B	1.86	10.0								
Bicarbonate (as CaCO ₃)	< 10.0	mg/L	SM2320B	1.86	10.0								
Carbonate (as CaCO ₃)	< 10.0	mg/L	SM2320B	1.86	10.0								
Lab Sample ID: MB-35048													
Test Code: CN-W-335.4		Date Analyzed: 01/12/2015 1544h											
		Date Prepared: 01/12/2015 841h											
Cyanide	< 0.00500	mg/L	E335.4	0.00303	0.00500								
Lab Sample ID: MB-35046													
Test Code: CN-WAD-335.4		Date Analyzed: 01/12/2015 1723h											
		Date Prepared: 01/12/2015 841h											
Cyanide, WAD	< 0.00500		E335.4	0.00303	0.00500								
Lab Sample ID: MB-R74477													
Test Code: COND-W-2510B		Date Analyzed: 01/05/2015 715h											
Conductivity	< 2.00	µmhos/cm	SM2510B	0.436	2.00								
Lab Sample ID: MB-R74583													
Test Code: NO2/NO3-W-353.2		Date Analyzed: 01/08/2015 1134h											
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								



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QC SUMMARY REPORT

Client: North American Exploration, Inc.
Lab Set ID: 1501007
Project: KIEWIT / UTU - 87834

Contact: Oren Gatten
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R74587													
Date Analyzed: 01/07/2015 1215h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	6.13	10.0								

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QC SUMMARY REPORT

Client: North American Exploration, Inc.

Lab Set ID: 1501007

Project: KIEWIT / UTU - 87834

Contact: Oren Gatten

Dept: WC

QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	1501007-001BMS	Date Analyzed:	01/05/2015 1653h											
Test Code:	300.0-W													
Chloride		6,030	mg/L	E300.0	7.51	100	5,000	1220	96.2	90 - 110				
Sulfate		5,200	mg/L	E300.0	21.1	750	5,000	304	97.9	90 - 110				
Lab Sample ID:	1501007-003BMS	Date Analyzed:	01/05/2015 1942h											
Test Code:	300.0-W													
Chloride		1,330	mg/L	E300.0	0.751	10.0	500.0	844	97.0	90 - 110				
Sulfate		773	mg/L	E300.0	2.11	75.0	500.0	293	95.9	90 - 110				
Lab Sample ID:	1501007-006BMS	Date Analyzed:	01/06/2015 1944h											
Test Code:	300.0-W													
Sulfate		1,010	mg/L	E300.0	2.11	75.0	500.0	482	106	90 - 110				
Lab Sample ID:	1501007-001BMS	Date Analyzed:	01/05/2015 835h											
Test Code:	ALK-W-2320B													
Alkalinity (as CaCO3)		335	mg/L	SM2320B	1.86	10.0	100.0	237	98.0	80 - 120				
Lab Sample ID:	1501033-003AMS	Date Analyzed:	01/12/2015 1548h											
Test Code:	CN-W-335.4	Date Prepared:	01/12/2015 841h											
Cyanide		0.100	mg/L	E335.4	0.00303	0.00500	0.1000	0	100	90 - 110				
Lab Sample ID:	1501007-003DMS	Date Analyzed:	01/12/2015 1605h											
Test Code:	CN-W-335.4	Date Prepared:	01/12/2015 841h											
Cyanide		0.101	mg/L	E335.4	0.00303	0.00500	0.1000	0	101	90 - 110				
Lab Sample ID:	1501037-002CMS	Date Analyzed:	01/12/2015 1736h											
Test Code:	CN-WAD-335.4	Date Prepared:	01/12/2015 841h											
Cyanide, WAD		0.0822		E335.4	0.00303	0.00500	0.1000	0	82.2	70 - 100				



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Jose Rocha
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QC SUMMARY REPORT

Client: North American Exploration, Inc.
Lab Set ID: 1501007
Project: KIEWIT / UTU - 87834

Contact: Oren Gatten
Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1501094-002CMS Date Analyzed: 01/12/2015 1742h													
Test Code: CN-WAD-335.4 Date Prepared: 01/12/2015 841h													
Cyanide, WAD	0.0691		E335.4	0.00303	0.00500	0.1000	0	69.1	70 - 100				1
Lab Sample ID: 1412471-001AMS Date Analyzed: 01/08/2015 1154h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.10	mg/L	E353.2	0.00833	0.0100	1.000	0.116	98.1	90 - 110				
Lab Sample ID: 1412387-001AMS Date Analyzed: 01/08/2015 1216h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	15.1	mg/L	E353.2	0.0833	0.100	10.00	5.65	94.5	90 - 110				^

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1 - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.



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QC SUMMARY REPORT

Client: North American Exploration, Inc.

Lab Set ID: 1501007

Project: KIEWIT / UTU - 87834

Contact: Oren Gatten

Dept: WC

QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1501007-001BMSD Date Analyzed: 01/05/2015 1710h													
Test Code: 300.0-W													
Chloride	6,050	mg/L	E300.0	7.51	100	5,000	1220	96.6	90 - 110	6030	0.366	20	
Sulfate	5,290	mg/L	E300.0	21.1	750	5,000	304	99.7	90 - 110	5200	1.74	20	
Lab Sample ID: 1501007-003BMSD Date Analyzed: 01/05/2015 1959h													
Test Code: 300.0-W													
Chloride	1,330	mg/L	E300.0	0.751	10.0	500.0	844	97.2	90 - 110	1330	0.0663	20	
Sulfate	781	mg/L	E300.0	2.11	75.0	500.0	293	97.6	90 - 110	773	1.12	20	
Lab Sample ID: 1501007-006BMSD Date Analyzed: 01/06/2015 2001h													
Test Code: 300.0-W													
Sulfate	1,010	mg/L	E300.0	2.11	75.0	500.0	482	105	90 - 110	1010	0.537	20	
Lab Sample ID: 1501007-001BMSD Date Analyzed: 01/05/2015 835h													
Test Code: ALK-W-2320B													
Alkalinity (as CaCO ₃)	336	mg/L	SM2320B	1.86	10.0	100.0	237	99.7	80 - 120	335	0.507	10	
Lab Sample ID: 1501033-003AMSD Date Analyzed: 01/12/2015 1549h													
Test Code: CN-W-335.4													
Cyanide	0.100	mg/L	E335.4	0.00303	0.00500	0.1000	0	100	90 - 110	0.1	0.299	10	
Lab Sample ID: 1501007-003DMSD Date Analyzed: 01/12/2015 1607h													
Test Code: CN-W-335.4													
Cyanide	0.101	mg/L	E335.4	0.00303	0.00500	0.1000	0	101	90 - 110	0.101	0.0992	10	
Lab Sample ID: 1501037-002CMSD Date Analyzed: 01/12/2015 1738h													
Test Code: CN-WAD-335.4													
Cyanide, WAD	0.0750		E335.4	0.00303	0.00500	0.1000	0	75.0	70 - 100	0.0822	9.20	10	



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QC SUMMARY REPORT

Client: North American Exploration, Inc.
Lab Set ID: 1501007
Project: KIEWIT / UTU - 87834

Contact: Oren Gatten
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1501094-002CMSD	Date Analyzed:	01/12/2015	1743h										
Test Code: CN-WAD-335.4	Date Prepared:	01/12/2015	841h										
Cyanide, WAD	0.0649		E335.4	0.00303	0.00500	0.1000	0	64.9	70 - 100	0.0691	6.31	10	¹
Lab Sample ID: 1412471-001AMSD	Date Analyzed:	01/08/2015	1155h										
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.11	mg/L	E353.2	0.00833	0.0100	1.000	0.116	99.3	90 - 110	1.1	1.09	10	
Lab Sample ID: 1412387-001AMSD	Date Analyzed:	01/08/2015	1217h										
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	16.1	mg/L	E353.2	0.0833	0.100	10.00	5.65	105	90 - 110	15.1	6.47	10	[^]

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¹ - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

WORK ORDER Summary

Work Order: **1501007**

Page 1 of 4

Client: North American Exploration, Inc.

Client ID: NOR100

Contact: Oren Gatten

Due Date: 1/16/2015

Project: KIEWIT / UTU - 87834

QC Level: II

WO Type: Standard

Comments: QC2 - CAUTION: Sample #6 is a cyanide solution / Footnote report, pH received outside of hold.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1501007-001A	UGW-18-189	12/31/2014 1255h	1/2/2015 1150h	200.7-W	Aqueous	df /metals	1
				5 SEL Analytes: CA MG K NA ZN			
				200.7-W-PR		df /metals	
				200.8-W		df /metals	
				11 SEL Analytes: SB AS BA BE CD CR CU PB SE AG TL			
				200.8-W-PR		df /metals	
				HG-DW-245.1		df /metals	
				HG-DW-PR		df /metals	
1501007-001B				300.0-W		df / wc	
				2 SEL Analytes: CL SO4			
				ALK-W-2320B		df / wc	
				3 SEL Analytes: ALK ALKB ALKC			
				COND-W-2510B		df / wc	
				PH-4500H+B		df / wc	
				TDS-W-2540C		df / wc	
1501007-001C				NO2/NO3-W-353.2		df / no2/no3	
1501007-001D				CN-W-335.4		df / cn	
				CN-W-PR		df / cn	
1501007-002A	Minnichaha Spring	12/31/2014 1055h	1/2/2015 1150h	200.7-W	Aqueous	df /metals	1
				5 SEL Analytes: CA MG K NA ZN			
				200.7-W-PR		df /metals	
				200.8-W		df /metals	
				11 SEL Analytes: SB AS BA BE CD CR CU PB SE AG TL			
				200.8-W-PR		df /metals	
				HG-DW-245.1		df /metals	
				HG-DW-PR		df /metals	
1501007-002B				300.0-W		df / wc	
				2 SEL Analytes: CL SO4			
				ALK-W-2320B		df / wc	
				3 SEL Analytes: ALK ALKB ALKC			
				COND-W-2510B		df / wc	
				PH-4500H+B		df / wc	

WORK ORDER Summary

Work Order: **1501007**

Page 2 of 4

Client: North American Exploration, Inc.

Due Date: 1/16/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage		
1501007-002B	Minniehaha Spring	12/31/2014 1055h	1/2/2015 1150h	TDS-W-2540C	Aqueous	df / wc	1		
1501007-002C				NO2/NO3-W-353.2		df / no2/no3			
1501007-002D				CN-W-335.4		df / cn			
				CN-W-PR		df / cn			
1501007-003A	Goshute Spring	12/31/2014 1141h	1/2/2015 1150h	200.7-W	Aqueous	df /metals	1		
				5 SEL Analytes: CA MG K NA ZN					
				200.7-W-PR		df /metals			
				200.8-W		df /metals			
				11 SEL Analytes: SB AS BA BE CD CR CU PB SE AG TL					
				200.8-W-PR		df /metals			
				HG-DW-245.1		df /metals			
				HG-DW-PR		df /metals			
1501007-003B						300.0-W	df / wc		
						2 SEL Analytes: CL SO4			
						ALK-W-2320B	df / wc		
						3 SEL Analytes: ALK ALKB ALKC			
						COND-W-2510B	df / wc		
						PH-4500H+B	df / wc		
				TDS-W-2540C		df / wc			
1501007-003C						NO2/NO3-W-353.2	df / no2/no3		
1501007-003D						CN-W-335.4	df / cn		
						CN-W-PR	df / cn		
1501007-004A	Eastwell Spring	12/31/2014 1220h	1/2/2015 1150h	200.7-W	Aqueous	df /metals	1		
				5 SEL Analytes: CA MG K NA ZN					
				200.7-W-PR		df /metals			
				200.8-W		df /metals			
				11 SEL Analytes: SB AS BA BE CD CR CU PB SE AG TL					
				200.8-W-PR		df /metals			
				HG-DW-245.1		df /metals			
				HG-DW-PR		df /metals			
1501007-004B						300.0-W	df / wc		
						2 SEL Analytes: CL SO4			
						ALK-W-2320B	df / wc		
						3 SEL Analytes: ALK ALKB ALKC			
						COND-W-2510B	df / wc		
						PH-4500H+B	df / wc		
				TDS-W-2540C		df / wc			

WORK ORDER Summary

Work Order: **1501007**

Page 3 of 4

Client: North American Exploration, Inc.

Due Date: 1/16/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1501007-004C	Eastwell Spring	12/31/2014 1220h	1/2/2015 1150h	NO2/NO3-W-353.2	Aqueous	df / no2/no3	1
1501007-004D				CN-W-335.4		df / cn	
				CN-W-PR		df / cn	
1501007-005A	UGW-18-735 (DHGC Well)	12/31/2014 1430h	1/2/2015 1150h	200.7-W	Aqueous	df /metals	1
				5 SEL Analytes: CA MG K NA ZN			
				200.7-W-PR		df /metals	
				200.8-W		df /metals	
				11 SEL Analytes: SB AS BA BE CD CR CU PB SE AG TL			
				200.8-W-PR		df /metals	
				HG-DW-245.1		df /metals	
				HG-DW-PR		df /metals	
1501007-005B				300.0-W		df / wc	
				2 SEL Analytes: CL SO4			
	ALK-W-2320B	df / wc					
	3 SEL Analytes: ALK ALKB ALKC						
	COND-W-2510B	df / wc					
	PH-4500H+B	df / wc					
	TDS-W-2540C	df / wc					
1501007-005C				NO2/NO3-W-353.2		df / no2/no3	
1501007-005D				CN-W-335.4		df / cn	
				CN-WAD-335.4		df / cn	
				CN-WAD-PR		df / cn	
				CN-W-PR		df / cn	
1501007-006A	Barren Cyanide Solution	12/31/2014 1420h	1/2/2015 1150h	200.7-W	Aqueous	df /metals	1
				5 SEL Analytes: CA MG K NA ZN			
				200.7-W-PR		df /metals	
				200.8-W		df /metals	
				11 SEL Analytes: SB AS BA BE CD CR CU PB SE AG TL			
				200.8-W-PR		df /metals	
				HG-DW-245.1		df /metals	
				HG-DW-PR		df /metals	
1501007-006B				300.0-W		df / wc	
				2 SEL Analytes: CL SO4			
	ALK-W-2320B	df / wc					
	3 SEL Analytes: ALK ALKB ALKC						
	COND-W-2510B	df / wc					
	PH-4500H+B	df / wc					

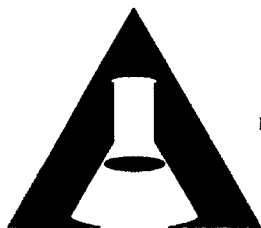
WORK ORDER Summary

Work Order: **1501007** Page 4 of 4

Client: North American Exploration, Inc.

Due Date: 1/16/2015

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1501007-006B	Barren Cyanide Solution	12/31/2014 1420h	1/2/2015 1150h	TDS-W-2540C	Aqueous		df / wc
1501007-006C				NO2/NO3-W-353.2			df / no2/no3
1501007-006D				CN-W-335.4			df / cn
				CN-W-PR			df / cn



AMERICAN WEST ANALYTICAL LABORATORIES

3440 S. 700 W. SALT LAKE CITY, UT 84119
PHONE # (801) 263-8686 TOLL FREE # (888) 263-8686
FAX # (801) 263-8687 EMAIL AWAL@AWAL-LABS.COM

WWW.AWAL-LABS.COM

CLIENT: Desert Hawk Gold Corp
c/o North American Mine Services
ADDRESS: 447 N 300 W SUITE 3
Kaysville UT 84037
CONTACT: Oren Gatten
PHONE #: (801) 544-3421 CELL #: (801) 719-7479
EMAIL: ogatten@nae-exploration.com
PROJECT NAME: KIEWIT
PROJECT #: UTN-87834
PO #:
SAMPLER NAME: Oren Gatten 801 719 7479

CHAIN OF CUSTODY

ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION.

1501007
AWAL LAB SAMPLE SET #
PAGE _____ OF _____

QC LEVEL:		TURN AROUND TIME:		UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE.		DUE DATE:			
1	2	2+	3+	1	2	3	4	5	STND
SAMPLE MATRIX: <u>Pb, Se, Ag, Ti, Zn, Hg</u> <u>Cd, Mg, K, Na, Sb, Ba, Be, Bi, Cr, Cu</u> <u>As, ... pH ... Specific Conductance</u> <u>Chloride / Sulfate</u> <u>Nitrate / Nitrite</u> <u>Cyanide</u> <u>TDS</u> <u>Bicarbonate Alkalinity</u> <u>Carbonate Alkalinity</u> <u>W.A.D. Cyanide</u>				<input type="checkbox"/> REPORT DOWN TO THE MDL <input type="checkbox"/> INCLUDE EDD: <input type="checkbox"/> LAB FILTER FOR: <input type="checkbox"/> FIELD FILTERED FOR: FOR COMPLIANCE WITH: <input type="checkbox"/> NELAP <input checked="" type="checkbox"/> RCRA <input checked="" type="checkbox"/> CWA <input checked="" type="checkbox"/> SDWA <input type="checkbox"/> ELAP / A2LA <input type="checkbox"/> NLLAP <input type="checkbox"/> NON-COMPLIANCE <input type="checkbox"/> OTHER: KNOWN HAZARDS & SAMPLE COMMENTS				LABORATORY USE ONLY SAMPLES WERE: 1 SHIPPED OR HAND DELIVERED 2 AMBIENT OR CHILLED 3 TEMPERATURE <u>0.6</u> °C 4 RECEIVED BROKEN/LEAKING (IMPROPERLY SEALED) Y <u>N</u> 5 PROPERLY PRESERVED Y <u>N</u> CHECKED AT BENCH 6 RECEIVED WITHIN HOLDING TIMES <u>pH rec. outside of hold</u> COC TAPE WAS: 1 PRESENT ON OUTER PACKAGE Y <u>N</u> NA 2 UNBROKEN ON OUTER PACKAGE Y <u>N</u> NA 3 PRESENT ON SAMPLE Y <u>N</u> NA 4 UNBROKEN ON SAMPLE Y <u>N</u> NA 1-2-15 DISCREPANCIES BETWEEN SAMPLE LABELS AND COC REQUIRED? Y <u>N</u>	
SAMPLE ID:	DATE SAMPLED	TIME SAMPLED	# OF CONTAINERS	1	2	3	4	5	STND
1 UGW-18-189	12/31/14	12:55	4	X	X	X	X	X	X
2 MINNIEHAHA SPRING	12/31/14	10:55	4	X	X	X	X	X	X
3 GOSHUTE SPRING	12/31/14	11:41	4	X	X	X	X	X	X
4 EASTWELL SPRING	12/31/14	12:20	4	X	X	X	X	X	X
5 UGW-18-735 (DHG WELL)	12/31/14	14:30	4	X	X	X	X	X	X
6 BARREN CYANIDE SOLUTION	12/31/14	14:20	4	X	X	X	X	X	X
7									
8									
9									
10									
11									
12									

RELINQUISHED BY: <u>Oren Gatten</u> SIGNATURE	DATE: <u>1-2-15</u> TIME: <u>11:50</u>	RECEIVED BY: <u>Edna Harris</u> SIGNATURE	DATE: <u>1-2-15</u> TIME: <u>7:50</u>	SPECIAL INSTRUCTIONS: <u>Use CWA methods as on previous rounds per CWA PN 1-2-15</u>
PRINT NAME: <u>OREN S. GATTEN</u>		PRINT NAME: <u>Edna Harris</u>		
RELINQUISHED BY: _____ SIGNATURE	DATE: _____ TIME: _____	RECEIVED BY: _____ SIGNATURE	DATE: _____ TIME: _____	
PRINT NAME: _____		PRINT NAME: _____		
RELINQUISHED BY: _____ SIGNATURE	DATE: _____ TIME: _____	RECEIVED BY: _____ SIGNATURE	DATE: _____ TIME: _____	
PRINT NAME: _____		PRINT NAME: _____		

Lab Set ID: 1501007

Preservation Check Sheet

Sample Set Extension and pH

[illegible]

Procedure:

- 1) Pour a small amount of sample in the sample lid
- 2) Pour sample from Lid gently over wide range pH paper
- 3) **Do Not** dip the pH paper in the sample bottle or lid
- 4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
- 5) Flag COC, notify client if requested
- 6) Place client conversation on COC
- 7) Samples may be adjusted

Frequency:

All samples requiring preservation

- * The sample required additional preservative upon receipt.
- + The sample was received unpreserved
- ▲ The Sample was received unpreserved and therefore preserved upon receipt.
- # The sample pH was unadjustable to a pH < 2 due to the sample matrix
- The sample pH was unadjustable to a pH > ____ due to the sample matrix interference